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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/658,703	09/09/2003	Santi Kulprathipanja	108297	2306	
23490 7590 03/06/2007 HONEYWELL INTELLECTUAL PROPERTY INC PATENT SERVICES 101 COLUMBIA DRIVE P O BOX 2245 MAIL STOP AB/2B MORRISTOWN, NJ 07962			EXAMINER		
			SINGH, PREM C		
			ART UNIT	PAPER NUMBER	
			1764		
		• ·	·		
			MAIL DATE	DELIVERY MODE	
	•		03/06/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.



Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)		
10/658,703	KULPRATHIPANJA ET AL.		
Examiner	Art Unit		
Prem C. Singh	1764		

	Prem C. Singh	1764				
The MAILING DATE of this communication appe	ars on the cover sheet with the c	orrespondence add	lress			
THE REPLY FILED 08 February 2007 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.						
1. The reply was filed after a final rejection, but prior to or or this application, applicant must timely file one of the follow places the application in condition for allowance; (2) a No a Request for Continued Examination (RCE) in compliant time periods:	wing replies: (1) an amendment, aff stice of Appeal (with appeal fee) in o ce with 37 CFR 1.114. The reply mu	idavit, or other evider compliance with 37 C	nce, which FR 41.31; or (3)			
a) \square The period for reply expires 3 months from the mailing date	of the final rejection.					
The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection. Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).						
Extensions of time may be obtained under 37 CFR 1.136(a). The date	• •	36(a) and the appropria	ate extension fee			
have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
NOTICE OF APPEAL 2. The Notice of Appeal was filed on A brief in com-	cliance with 27 CEP 41 27 must be	filed within two month	he of the data of			
2. The Notice of Appeal was filed on A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a). AMENDMENTS						
<u> </u>	hut prior to the data of filing a brief	will not be entered b				
3. The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will <u>not</u> be entered because (a) They raise new issues that would require further consideration and/or search (see NOTE below); (b) They raise the issue of new matter (see NOTE below);						
(c) They are not deemed to place the application in be appeal; and/or	tter form for appeal by materially re		the issues for			
(d) They present additional claims without canceling a		ected claims.				
NOTE: (See 37 CFR 1.116 and 41.33(a)).						
4. The amendments are not in compliance with 37 CFR 1.1		mpliant Amendment	(PTOL-324).			
5. Applicant's reply has overcome the following rejection(s)						
6. Newly proposed or amended claim(s) would be a non-allowable claim(s).	·	•	-			
7. For purposes of appeal, the proposed amendment(s): a) how the new or amended claims would be rejected is pro The status of the claim(s) is (or will be) as follows:		il be entered and an o	explanation of			
Claim(s) allowed:						
Claim(s) objected to: Claim(s) rejected: <u>1-21</u> .		•				
Claim(s) withdrawn from consideration: AFFIDAVIT OR OTHER EVIDENCE						
 The affidavit or other evidence filed after a final action, but because applicant failed to provide a showing of good an was not earlier presented. See 37 CFR 1.116(e). 						
9. The affidavit or other evidence filed after the date of filing entered because the affidavit or other evidence failed to showing a good and sufficient reasons why it is necessar	overcome <u>all</u> rejections under appe	al and/or appellant fa	ils to provide a			
10. The affidavit or other evidence is entered. An explanation REQUEST FOR RECONSIDERATION/OTHER	on of the status of the claims after e	ntry is below or attac	hed.			
 The request for reconsideration has been considered by <u>See Continuation Sheet.</u> 		n condition for allowa	nce because:			
12. Note the attached Information Disclosure Statement(s).	(PTO/SB/08) Paper No(s)					
13. Other:						

Continuation of 11. does NOT place the application in condition for allowance because: The Applicant argues that it becomes plain to those skilled in the art that Jones seeks to have straight chain alkyl-substituted aromatic compounds and provides specific processes to form such straight chain aromatics. Those straight chain aromatics would inherently have certain characteristic selectivities. The Applicant respectfully submits that those characteristic selectivities are inherently different from the selectivity of the claimed product. In that regard, the Applicant fully discloses his process for producing the claimed composition. The Applicant further argues that in claim 1 in the first paragraph, the Applicant separates "lightly branched" hydrocarbons from the other hydrocarbons which may be linear and/or highly branched. The Applicant's lightly branched hydrocarbons are the acyclic paraffins having two or three primary carbons atoms. The result is that the Applicant provides a stream of acyclic hydrocarbons having two or three primary carbon atoms which are the lightly branched hydrocarbons. At that point, there is substantially no linear hydrocarbons and no highly branched hydrocarbons. The claimed hydrogenation and alkylation are applied to the lightly branched hydrocarbons and result in the claimed selectivity of the composition.

The Applicant's argument is not ersuasive because independent claims 1, 16, and 17, do not require the limitation of "lightly branched" paraffins. Dependent claims 7 and 13 have the limitation of "lightly branched" paraffin. Jones discloses, "Relatively straight chain structure" (See column 3, line 54, 59, and 62). Jones further discloses, "Most raw material sources of straight chain paraffins, however, are mixtures containing significant proportion of branched chain isomers in admixture with the desired normal paraffins. These isomers, if converted along with the normal paraffins to their olefin analogs, do not exclusively yield the desired alkylates bearing a straight chain nuclear alkyl substituent or a branched chain alkyl group containing two branches, each of straight chain structure." (Column 4, lines 52-61). "Certain molecular sieves have sufficient selectivity to provide product streams of 99+ percent normal paraffin purity." (Column 5, lines 2-4). It clearly shows that Jones prefers straight chain structure but the invention does not exclude small amounts of lightly branched hydrocarbons. On the other hand, one skilled in the art can take more of branched chain hydrocarbons, if a reduction in the biodegradibility of the finished detergent is not a conccern.

The Applicant argues that Jones leads those of skilled in the art away from the claimed composition. This is because Jones repeatedly leads those skilled in the art to conclude that it is "all-important" and an objective of Jones to obtain "maximum linearity" of the starting materials and the product. On the other hand, the Applicant chose the opposite direction and deliberately relies on lightly branched components, not straight components, to achieve particular selectivities.

The Applicant's argument is not persuasive because Jones prefers maximum linearity of the starting materials because the invention wants detergents with high bio-degradability. Jones presents in Table I (Column 12, lines 31-50) a comparison of two alkylates: Jones concludes, "The sample of detergent prepared from the branched chain alkylate remains active even after 108 hours." (Column 12, lines 47-49). Thus, it would have been obvious to one skilled in the art at the time the invention was made to modify Jones invention and use lightly branched hydrocarbons along with normal hydrocarbons to produce detergents with bio-degradability lower than the normal hydrocarbons. This will not require strict control of the separation step requiring 100% normal hydrocarbons and make the separation process cheaper. Thus, if reduced bio-degradability is acceptable, separation of normal paraffins from lightly branched paraffins can be omitted. See Ex parte Wu , 10 USPQ 2031 (Bd. Pat. App. & Inter. 1989).

Glenn Caldarola Supervisory Patent Examines

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